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# PUBLIC NOTICE

**File Number: NRS 15.039**

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Pursuant to Chapter 0400-4-7 of the Department's rules, the proposed activity described below has been submitted for approval under an Aquatic Resource Alteration Permit and §401 Water Quality Certification. This notice is intended to inform interested parties of this permit application and to ask for comments and information necessary to determine possible impacts to water quality. No decision has been made whether to issue or deny this application.

**APPLICANT:** Tennessee Department of Transportation  
Environmental Permits Section  
Suite 900, James K. Polk Bldg.  
505 Deaderick St.  
Nashville, TN 37243  
615-253-2545

**LOCATION:** SR150 from Tar Kiln Ave to Valley View Highway near Jasper in Marion County.

**PROJECT DESCRIPTION:** The applicant proposes to extend SR150 from Tar Kiln Ave to Valley View Highway near Jasper in Marion County.

**Impact 1:** Latitude: 35.0923 Longitude: -85.6239  
Unnamed tributary to Pryor Cove Branch Station 10+72+/-

Existing 36 ft. of 3X4' box culvert and 111 ft. of open stream to be replaced with 106 ft. of 8X5' box culvert and 37' of riprap lined channel.

Total Debits: 74 ( $(106_{\text{new}} - 36_{\text{original}}) + 4_{\text{loss}}$ )

**Impact 2:** Latitude: 35.0916 Longitude: -85.6239  
Pryor Cove Branch Station 23+00

Existing 223 ft. of open channel to be replaced with 143 ft. 3@18X13' concrete box bridge with 40 ft. of riprap transition at the inlet and outlet. Storm water outfalls 36" RCP would be installed at Sta. 8+50 and 14+85.

Total Debits: 143 ( $143_{\text{new structure}}$ )

**Impact 3:** Latitude: 35.0883 Longitude: -85.6152

Unnamed tributary to Standifer Branch/Standifer Branch Station 41.00 and 41+90

Existing 150' (Unnamed trib) to be filled with graded solid rock. Standifer Branch – existing 220 ft. open stream to be replaced with 107 ft. of 3@18X13' Concrete box bridge with 50 ft. of riprap transition at inlet and outlet.

Total Debits: 270 ( $107_{\text{new}} + 163_{\text{loss}}$ )

**Impact 4:** Latitude: 35.0874

Longitude: -85.6136

Wetlands 1, 2, 3

Station 47+00-51+00+/-

Permanent impact (fill) of 1.055 acres of wetlands.

Total Debits: 1.055 ac wetlands

**Impact 5:** Latitude: 35.0868

Longitude: -85.6123

Unnamed tributary to Standifer Branch

Station 52+22+/-

Existing 209 ft. of open stream to be replaced with 175 ft. of 36" RCP with 12' u-type end walls at inlet and outlet and 10' of riprap lined channel.

Total Debits: 199 ( $175_{\text{new}} + 24_{\text{endwalls}}$ )

**Impact 6:** Latitude: 35.0863

Longitude: -85.6120

Wetlands

Station 54+50-50+00+/-

Permanent impact (fill) of 0.176 acre of wetlands.

Total Debits: 0.176 ac wetlands

**Impact 7:** Latitude: 35.0848

Longitude: -85.6100

Wetlands

Station 62+30+/-

Permanent impact (fill) of 0.007 acre of wetlands.

Total Debits: 0.007 ac wetlands

**Impact 8:** Latitude: 35.0830

Longitude: -85.6070

Unnamed tributary to Standifer Branch

Station 73+22+/-

Existing 111 ft. of open stream to be replaced with 65 ft. of 36" RCP with 14' u-type end walls at inlet and outlet and 18' of riprap lined channel.

Total Debits: 93 ( $65_{\text{new}} + 28_{\text{endwalls}}$ )

## MITIGATION REQUIRED

As mitigation for the above stream impacts the applicant proposes to purchase 779 available credits from the Tennessee In Lieu Fee Stream Mitigation Program.

For permanent impact to 1.24 acres of wetlands the applicant proposes to purchase, at a 2:1 ratio, 2.48 acres of available credit from the Sequatchie Valley Wetland Mitigation Bank..

**DEGRADATION:** In accordance with the Tennessee Antidegradation Statement (Rule 0400-40-03-.06), the division has determined that the proposed activities will not result in degradation to water quality.

**WATERSHED / WATERBODY DESCRIPTION:** Pryor Cove Creek flows into the Sequatchie River which is part of the Tennessee River watershed. The Sequatchie River Watershed is located in Middle Tennessee and includes parts of Bledsoe, Cumberland, Grundy, Marion, Sequatchie and Van Buren counties. It is approximately 601 square miles and drains to the Sequatchie River.

For more information on this watershed please visit:

<http://www.state.tn.us/environment/water/watersheds/lower-tennessee-river.shtml>

Pryor Cove Creek (TN06020004001\_0121) is in the Sequatchie Valley ecoregion (68a, 68b, & 68c). The channel dimensions are as follows: channel bottom width (30), channel top width (40-50), water depth (0), and bank height (4-5'). Typical substrate in this section is comprised of boulder, cobble, gravel, sand.

Pryor Cove Creek was assessed in 2002. It is not supporting its designated uses. The specific uses that are not meeting use support and the causes are as follows: fish and aquatic life due to sediment/siltation. Therefore the stream is available for additional impacts to habitat.

**Stream Name / ID #:** Pryor Cove Creek (TN06020004001\_0121)

**Ecoregion:** Sequatchie Valley ecoregion (68a, 68b, & 68c)

**Stream Dimension:**

Channel bottom width	30'
Chanel top width	40-50'
Water depth	0"
Bank height	4-5'

**Substrate:** boulder, cobble, gravel, sand

Designated Use	Use Support	Causes
Fish and aquatic life	not supporting	sedimentation/siltation
Recreation	fully supporting	
Industrial water supply	fully supporting	
Irrigation	fully supporting	
Livestock watering & wildlife	fully supporting	

This stream is available for additional impacts to habitat.

**Assessment Date:** 2002

**PERMIT COORDINATOR:** Brian Canada

**FACTORS CONSIDERED:** In deciding whether to issue or deny a permit, the department will consider all comments of record and the requirements of applicable federal and state laws. In making this decision, a determination will be made regarding the lost value of the resource compared to the value of any proposed mitigation. The department shall consider practicable alternatives to the alteration. The department shall also consider loss of waters or habitat, diminishment in biological diversity, cumulative or secondary impacts to the water resource, and adverse impact to unique, high quality, or impaired waters.

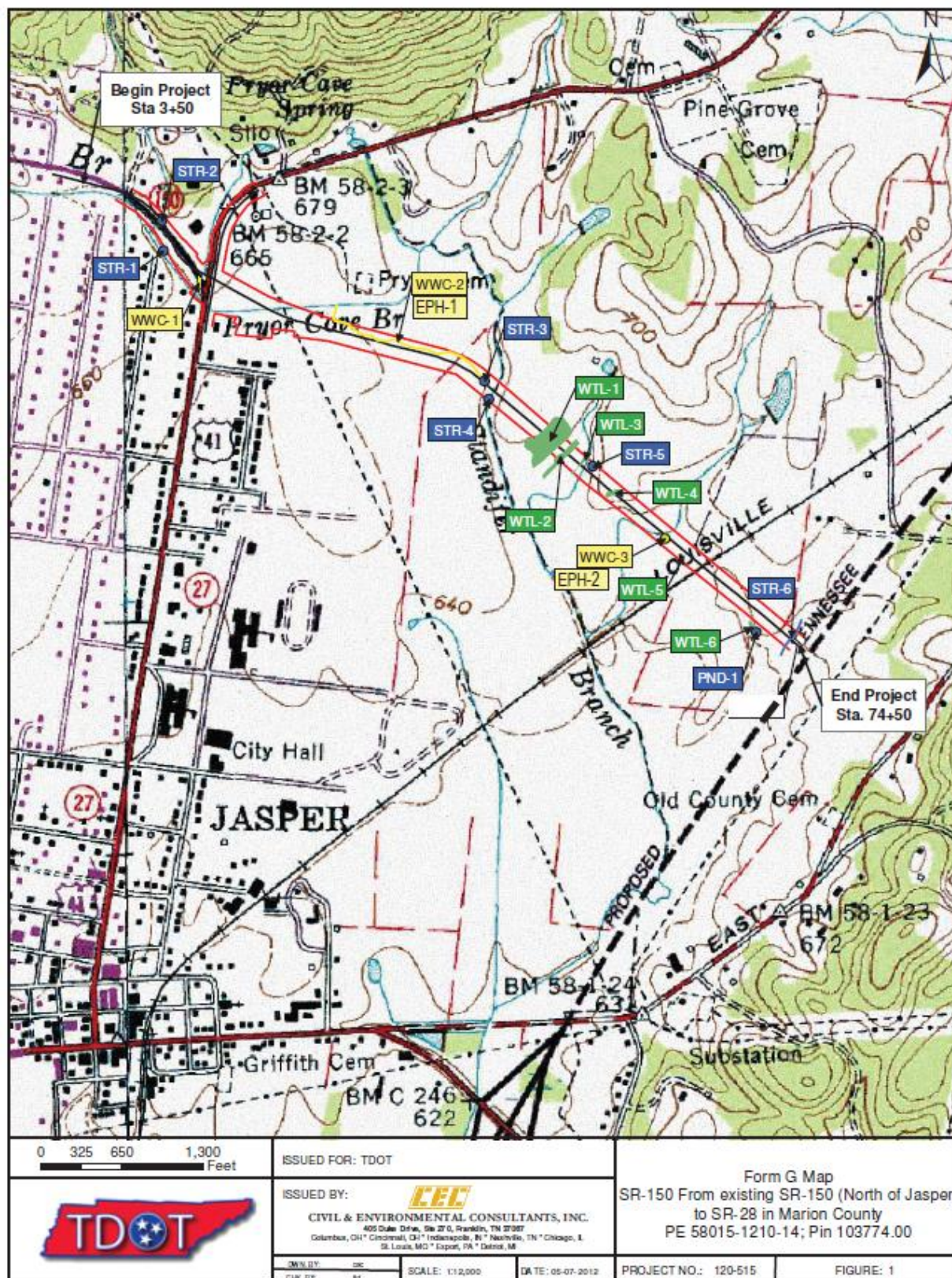
**COMMENTING:** Persons wishing to comment on the proposal are invited to submit written comments to the department. Written comments must be received within **thirty days of the date that this notice is posted**. Comments will become part of the record and will be considered in the final decision. The applicant's name and permit number should be referenced. Send all written comments to the department's address listed below and to the attention of the permit coordinator.

**PUBLIC HEARING:** Interested persons may request in writing that the department hold a public hearing on this application. The request must be filed within the comment period, indicate the interest of the person requesting it, the reasons that the hearing is warranted, and the water quality issues being raised. When there is sufficient public interest in water quality issues, the department will hold a public hearing. Send all public hearing request to the department's address listed below and to the attention of the permit coordinator.

**APPEAL:** A permit appeal may be filed, pursuant to T.C.A. §§ 69-3-105(i) and Rule 0400-40-05, by the permit applicant or by any aggrieved person who participated in the public comment period announced by this notice. This petition must be filed within THIRTY (30) DAYS after public notice of the issuance of the permit. The petition must specify what provisions are being appealed and the basis for the appeal. It should be addressed to the technical secretary of the Tennessee Board of Water Quality, Oil and Gas at the following address: Dr. Sandra Dudley, Director, Division of Water Resources, William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Ave, 12<sup>th</sup> floor, Nashville, TN 37243. Any hearing would be in accordance with T.C.A. §§69-3-110 and 4-5-301 et seq.

**FILE REVIEW:** The permit application, supporting documentation including detailed plans and maps, and related comments are available at the department's address (listed below) for review and/or copying.

Tennessee Department of Environment & Conservation  
Division of Water Resources, Natural Resources Unit  
William R. Snodgrass Tennessee Tower  
312 Rosa L. Parks Avenue, 11th Floor  
Nashville, Tennessee 37243



Index of Sheets

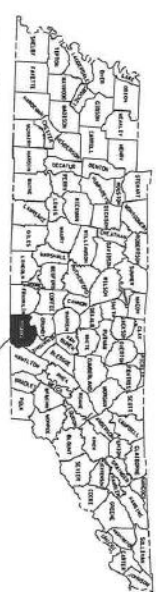
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2-2C	TYPICAL SECTIONS (4 SHEETS)
3-3B	R.O.W. ACQUISITION TABLE & PROPERTY MAPS
4-11	PRESENT LAYOUTS (8 SHEETS)
4A-11A	R.O.W. DETAILS (8 SHEETS)
4B-11B	PROPOSED LAYOUTS (8 SHEETS)
4C-11C	MAINLINE PROFILES (8 SHEETS)
12-13	PRIVATE DRIVE PROFILE
14-14C	DRAINAGE MAPS (4 SHEETS)
15-15G	EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
16-16G	EXISTING CONTOURS (8 SHEETS)
20-20E	CULVERT CROSS-SECTIONS (6 SHEETS)
21-21C	PROPOSED CONDUIT CROSS-SECTIONS (6 SHEETS)
22-22C	PROPOSED & PROPOSED CROSS-SECTION (139 SHEETS)
61-67	EXISTING & PROPOSED CROSS-SECTIONS (7 SHEETS)
68-73	SR 28 PROPOSED CROSS SECTION (6 SHEETS)

STATE OF TENNESSEE  
 DEPARTMENT OF TRANSPORTATION  
 BUREAU OF ENGINEERING

MARION COUNTY  
 STATE ROUTE 150

FROM EXISTING SR 150  
 TO S.R. 28 NORTH OF JASPER  
 RIGHT-OF-WAY

Form 9 Plans



TENN.	YEAR	SHEET NO.
2012	1	

END PROJ. NO. 58015-2215-14  
 STA. 3+50 (R.O.W.)

MARION COUNTY  
 PROJ. NO. STP-150(4)

STP-150(4)  
 BEGIN PROJ. NO. 58015-2215-14  
 STA. 74+50 (R.O.W.)

NO EXCLUSIONS  
 NO EQUATIONS



R.O.W. LENGTH 1.08 MILES

TRAFFIC DATA

ADT (2013)	2800
DDT (2013)	1500
DDT (2013) I	60 - 60
T (ADT)	5 %
T (DDT)	3 %
V (ICAP/OUT/IN)	45 MPH

U.S. DEPARTMENT OF TRANSPORTATION  
 FEDERAL HIGHWAY ADMINISTRATION  
 DIVISION ADMINISTRATOR DATE

APPROVED: *[Signature]*  
 DATE: *[Date]*  
 JOHN SCHMIDT, COMMISSIONER

SPECIAL NOTES

PROPOSALS MAY BE REJECTED BY THE COMMISSIONER IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE GROSSLY UNBALANCED, EITHER EXCESSIVE OR BELOW THE REASONABLE COST ANALYSIS VALUE.  
 THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED MARCH 11, 2006 AND ADDITIONAL SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

TROT C.E. MANAGER 1 JAMES A. JOHNSON, P.E.  
 TROT ROAD SP. SV. 2 ROBERT BODGES, P.E.  
 DESIGNER L. DAVID LARSON  
 P.E. NO. 58015-120-14  
 PIN NO. 10374.00  
 CHECKED BY:

SURVEY DATE: APRIL 30, 2010